

ABSTRACT OF THE DISCLOSURE

A system and method of providing voice and data feature interaction in a Time Division Multiple Access (TDMA) radio telecommunication network having a data network overlay. An incoming voice call is established with a called mobile station (MS) when the called MS is operating in a data mode. An indicator is set in the called MS's user profile indicating that the called MS is operating in the data mode. The called MS is notified through the data network overlay that the incoming voice call is waiting. If the call is accepted, it is delivered to the called MS. The system may also establish an incoming data call with the called MS when the called MS is operating in a voice mode. A Short Message Service message center notifies the called MS that a data call is waiting. If the call is accepted, it is delivered to the called MS.